

Recombinant Human UBA7, GST-tagged

Cat. No. UBA7-833H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human UBA7 (UBE1L) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full length
Description	UBA7 or or ubiquitin-like modifier activating enzyme 7 is a member of the E1 ubiquitin-activating enzyme family which is a retinoid target that triggers promyelocytic leukemia (PML)/retinoic acid receptor alpha (RARalpha) degradation and apoptosis in acute promyelocytic leukemia, where it is involved in the conjugation of the ubiquitin-like interferon-stimulated gene 15 protein. UBA7 is expressed in a variety of tissues, including normal lung, but highly expressed in a large series of lung cancer cell lines. UBA7 may represent a second, autosomal member of the ubiquitin-activating gene family, which play a role in the ubiquitin conjugation pathway, which is of central importance in all eukaryotes.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~138 kDa
Purity	>95%

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Applications	Western Blot
Stability	1yr at –70°C from date of shipment
Storage	Store product at –70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1ug/ul

GENE INFORMATION

Gene Name	UBA7 ubiquitin-like modifier activating enzyme 7 [Homo sapiens]
Official Symbol	UBA7
Synonyms	UBA7; ubiquitin-like modifier activating enzyme 7; UBE1L, ubiquitin activating enzyme E1 like; ubiquitin-like modifier-activating enzyme 7; D8; UBA1; ubiquitin activating enzyme E1 homolog B (yeast); UBA1B; ubiquitin activating enzyme E1; UBE2; ubiquitin-activating enzyme 7; ubiquitin-activating enzyme-2; UBA7, ubiquitin-activating enzyme E1; ubiquitin-activating enzyme E1 homolog; UBA1, ubiquitin-activating enzyme E1 homolog B; ubiquitin-activating enzyme E1-related protein; UBE1L; MGC12713;
Gene ID	7318
mRNA Refseq	NM_003335
Protein Refseq	NP_003326
MIM	191325

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UniProt ID	P41226
Chromosome Location	3p21
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; Antiviral mechanism by IFN-stimulated genes, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem;
Function	ATP binding; ISG15 activating enzyme activity; ligase activity; nucleotide binding;

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